Title (en)

ELECTRICAL ARCHITECTURE FOR CONVERTING DC VOLTAGE INTO AC VOLTAGE, AND VICE VERSA

Title (de)

ELEKTRISCHE ARCHITEKTUR ZUR UMWANDLUNG EINER GLEICHSPANNUNG IN WECHSELSPANNUNG UND UMGEKEHRT

Title (fr)

ARCHITECTURE ÉLECTRIQUE POUR LA CONVERSION D'UNE TENSION CONTINUE EN UNE TENSION ALTERNATIVE, ET RÉCIPROQUEMENT

Publication

EP 2959576 A2 20151230 (FR)

Application

EP 14713156 A 20140218

Priority

- FR 1351497 A 20130221
- FR 2014050340 W 20140218

Abstract (en)

[origin: WO2014128401A2] An electrical architecture (1) for converting DC voltage into AC voltage, and vice versa, comprising: -a DC/AC voltage converter (2), comprising a plurality of arms mounted in parallel, each arm comprising two controllable switching cells (12), in series and separated by a mid-point, the arms being paired in H-bridges (11), -for each H-bridge (11), a dedicated control member (13), such that all of the switching cells (12) of said H-bridge (11) can be controlled by this control member (13), each control member (13) being intended to communicate with a same remote control unit (14) through a potential barrier (15).

IPC 8 full level

H02P 29/02 (2006.01)

CPC (source: EP US)

B60L 3/00 (2013.01 - EP US); **B60L 3/0092** (2013.01 - EP); **B60L 53/14** (2019.01 - EP US); **B60L 53/22** (2019.01 - EP US); **B60L 58/20** (2019.01 - EP); **H02M 7/493** (2013.01 - EP US); **H02M 7/797** (2013.01 - US); **H02P 29/032** (2016.02 - EP US); **H02P 29/68** (2016.02 - EP US); B60L 2210/40 (2013.01 - EP US); H02M 5/4585 (2013.01 - EP US); Y02T 10/64 (2013.01 - EP US); Y02T 10/70 (2013.01 - EP US); Y02T 10/7072 (2013.01 - EP US); Y02T 10/72 (2013.01 - EP US); Y02T 90/12 (2013.01 - US); Y02T 90/14 (2013.01 - EP US); Y02T 90/16 (2013.01 - EP US)

Citation (search report)

See references of WO 2014128401A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3002384 A1 20140822; **FR 3002384 B1 20160819**; CN 105191117 A 20151223; CN 105191117 B 20180327; CN 108365767 A 20180803; CN 108365767 B 20200901; EP 2959576 A2 20151230; JP 2016511626 A 20160414; JP 6410736 B2 20181024; KR 102300662 B1 20210908; KR 20150122160 A 20151030; US 10658949 B2 20200519; US 2015381076 A1 20151231; US 2018145611 A1 20180524; US 9973110 B2 20180515; WO 2014128401 A2 20140828; WO 2014128401 A3 20150409

DOCDB simple family (application)

FR 1351497 A 20130221; CN 201480022473 A 20140218; CN 201810154262 A 20140218; EP 14713156 A 20140218; FR 2014050340 W 20140218; JP 2015558526 A 20140218; KR 20157024021 A 20140218; US 201414769341 A 20140218; US 201815875560 A 20180119